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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
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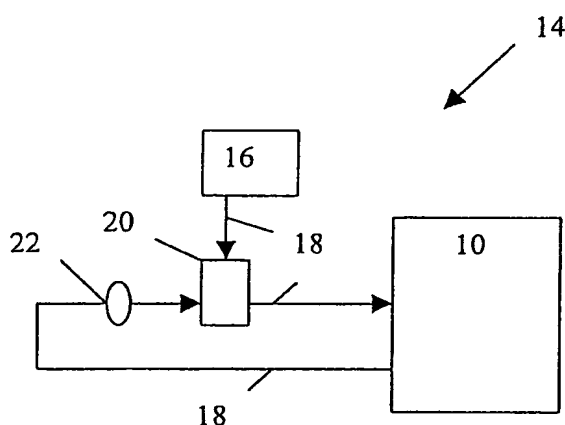
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SUPPLEMENTAL OZONE TREATMENT FOR ENSURING THE STERILITY OF INSTRUMENT CLEANING SYSTEMS



(57) Abstract: Methods and apparatus utilizing supplemental ozone treatment for ensuring sterility of instrument cleaning systems. By flushing ozonated water through the components of a cleaning system, the persistent problem of contamination of cleaner chambers, pipes or lines, and filters or banks of filters is effectively prevented. Thus, the integrity of sterilized instruments, such as lumened medical instruments, is more reliably achieved and maintained.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/01092

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61L 2/00, 9/00; C11D 7/54; B08B 3/04

US CL : 510/161, 218, 367, 370; 422/28; 134/22.12, 26, 41; 366/208, 333

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 510/161, 218, 367, 370; 422/28; 134/22.12, 26, 41; 366/208, 333

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,482,370 A (HOLSCLOW et al) 19 November 2002 (19.11.2002), See Abstract; col. 3, lines 1-40; col. 7, lines 15-50.	1-22
A	6,387,241 A (MURPHY et al) 14 May 2002 (14.05.2002), See Abstract; col. 12, lines 10-50	1-22
X	US 5,520,893 A (KASTING, JR et al) 28 May 1996 (28.05.1996), See Abstract; claim 21.	1-22
X, P	US 2003/0121770 A (MCNULTY, JR) 03 July 2003 (03.07.2003), See Abstract; paras. 27-40.	1-22

☐ Further documents are listed in the continuation of Box C.

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document member of the same patent family

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INTERNATIONAL SEARCH REPORT

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PCT/US04/01092

Continuation of B. FIELDS SEARCHED Item 3:

WEST

search terms: ozone, disinfect, sterilize, antibacterial, antimicrobial, apparatus